



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** G. Biallas

**DATE:** 01 Dec 2006

**FROM:** J. Dahlberg

**Checked:**

**#:** F1088

### DETAILS:

Below are the results from the final as found survey of the LIPPS dipoles. No adjustments to the dipoles were made from the previous survey on Aug 31, 2006. Dipole #1 is the upstream most dipole. Dipoles 3 and 4 are in the upstream most position on the rails, and dipoles 5 and 6 are in the downstream position on the rails. Vertically (Y), the coordinate system is centered on the optical turning can. The dipoles are set low from this point approximately 5 mm due to limited range in the adjustment cartridges. Horizontally (X), the coordinate system is centered on the dipoles, and Z is centered on the ideal location of the turning can mirror stand. A +X is to the beam left, a +Y is high, and a +Z is downstream.

LOCATION	X	Y	Z
Upst wall fiducial	1.1	0.0	-2719.3
Dipole 1 upst pole tip	0.3	-0.3	
Dipole 1 centerline	0.06	-4.95	821.47
Dipole 2 centerline	-0.16	-4.66	1322.27
Dipole 2 dnst pole tip	0.1	0.8	
Dipole 3 upst pole tip	-0.3	0.4	
Dipole 3 centerline	0.06	-5.06	3086.43
Dipole 4 centerline	0.04	-4.78	3586.87
Dipole 4 dnst pole tip	-0.2	-2.0	
Dipole 5 upst pole tip	0.6	-0.1	
Dipole 5 centerline	0.10	-5.01	4075.05
Dipole 6 centerline	-0.10	-4.82	4575.37
Dipole 6 dnst pole tip	-0.4	-2.1	
Dnst wall fiducial	-0.9	-0.2	7192.6